Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER- V • EXAMINATION – WINTER 2016

Subject Code: 152802 Subject Name: Technology of Dyeing-I			Date: 24/11/2016	
Tir	ne: 1 ructio 1.	10:30AM – 01:00PM Total Mark ons: Attempt all questions.	s: 70	
		Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	Describe different phases of typical Indigo dyeing plant. Explain Mixture shade on denim with Indigo +Hydron combination.	07 07	
Q.2	(a)	Explain principle behind aftertreament of direct dyed cotton. Describe one such industrially popular method.		
	(b)	Write a note on Basic Dyes.	07	
	(b)	OR Write a note on Mineral colours.	07	
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Q.3	(a)	Give properties and applications of Sulpher dyes. Explain Sulphur Black tendering.		
	(b)	Give various reasons for Sulphur Bronziness. Discuss its correction methods. OR	07	
Q.3	(a) (b)	Explain chemistry of Cholorotriazine dyes. Write a note on important Reactive systems of Reactive dyes.	07 07	
Q.4		Explain application of Azoic colour through different stages. Cite all th problems, preacautions and solutions at each stage.	e 14	
		OR		
Q.4		Describe in detail all the available methods of Vat dyes. Compare and Contras all these methods.	t 14	
Q.5	(a)	Write note on Solubilised Vat dyes.	07	
	(b)	Explain application of Aniline Black colour by any one method. OR	07	
Q.5	(a)	Write a note on Pigment dyeing of Cotton.	07	
	(b)	Write a note on Remazol Dyes.	07	
